

intercon



**The decentralised Internet of Everything.**

# Introduction

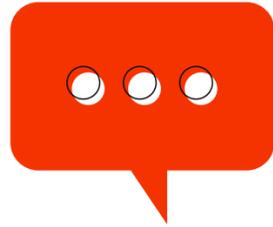


The blockchain technology is rapidly revolutionising the world we live in. Making a completely peer-to-peer financial transaction without any intermediary was unimaginable just a little more than a decade ago. Now millions of people do it every day. This new kind of programmable money is here to stay and someday, probably, replace the old financial system.

The technology behind it all is blockchain. It underpins every cryptocurrency transaction. We believe that we are about to revolutionise the very fundamentals of this technology.

After years of research, we can make it more decentralised, more secure, more accessible and allow it to serve new, unthought of before, purposes.





***10 years from now a blockchain will be like a website today.  
Everyone will be able to create one and connect it to a global network.***

## Our Vision

Today, the landscape of blockchain technology resembles that of the early days of the Internet. Just as back then there were just few websites, mostly administrated by universities, now we have just a handful of blockchains. You could say "but there are thousands of 'em" - and you would be right; but compare this number to the number of websites we have today. Then you will realise how early we are. A blockchain, in its essence, is a decentralised server. It takes inputs and produces outputs. The main difference between a normal server and a blockchain is that the latter is decentralised. Just like normal servers, blockchains can be used for a myriad of purposes. They can facilitate financial systems, decentralised companies, supply chains, social media platforms, elections, car sharing, smart cities, societies, governments... 10 years from now a blockchain will be like a website today. Everyone will be able to create one and connect it to a global network. And we will be at the forefront of this revolution.



# Our Technology

Our technology comprises 3 main breakthroughs:

1. Multi-blockchain secure and decentralised consensus.
2. Interoperability at any scale.
3. Proof-of-Used-Bandwidth.

This technology could allow anyone in the world to create a decentralised blockchain and connect it to all the other ones. Every existing blockchain with dApps compared to our solution is like some very slow and expensive to use version of Facebook compared to the Internet - facilitating interactions between individuals and companies through a shared, limited protocol instead of allowing everyone to run their own protocol and connect it to a global network.



## Multi-blockchain decentralised consensus.

What secures blockchains, can secure only one of them. For example, if Proof-of-Work is used to secure one big network (like Bitcoin), then even a small fraction of the hashing power around this network is enough to attack any smaller one (like Ethereum Classic), making it risky to start a new blockchain that uses Proof-of-Work - it could be destroyed in its cradle. Whichever real-world resource is used to achieve consensus, if it is centralised around a particular network, it is enough that a part of it would be used for a short while to destroy another, smaller network that uses the same resource. The only alternative is Proof-of-Stake, but that doesn't allow for decentralisation - those that got coins at the beginning (investors, developers) just keep getting more (by staking the coins). Our protocol allows for infinity of chains without security risks or centralisation.



## Interoperability at any scale.

Instead of a handful of blockchains that are aware only of what is happening within them, we propose a network of blockchains. In this network, every particular blockchain is fully interoperable with every other one - that means they can share data, send and receive funds, and perform inter-chain tasks. To do that, they don't need some main chain above them or bridges between them - at any scale, even that of millions of chains.



## Proof-of-Used-Bandwidth.

Proof-of-Work wastes big amounts of electricity; we propose using Internet bandwidth to produce blocks, which won't affect the environment negatively. Instead of mining farms, we will have data centers. After being used for the purpose of producing blocks, a data center can be repurposed for something else - an overall net positive for society.



# Key features of our Technology

## Key feature

Multi-blockchain secure and decentralised consensus.

Interoperability at any scale.

Proof-of-Used-Bandwidth.

## Novelty

Allows anyone to create a custom blockchain that is decentralised and secure from consensus attacks.

Now blockchains, in order to be interoperable, need to rely on central chains or cross-chain bridges, which limits scalability. Ours don't.

Less centralised, eco-friendly consensus protocol that is based on data centers rather than mining farms.

## Value

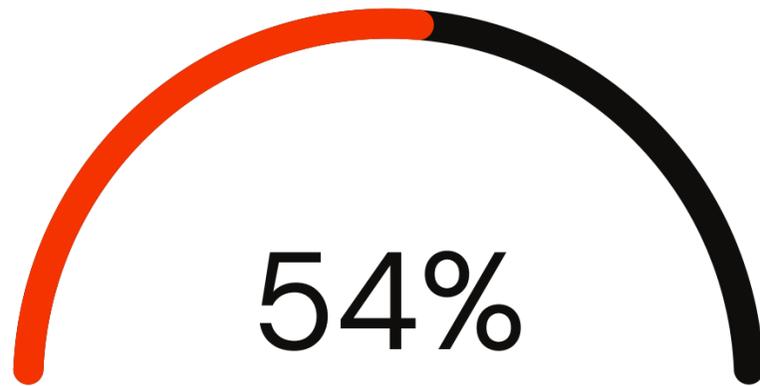
- Use of a real-world resource (Internet bandwidth) to decentralise consensus.
- Impossibility of using it to attack consensus in networks.
- Network of blockchains that is like the Internet. Even millions of them can operate at the same time and in unison.
- Greener than Bitcoin. Local (e.g., national) blockchains allow everyone to compete on equal terms.

The Intercon technology was developed through a stringent process of research spanning over the course of more than 3 years. As the technology was to be patented, the aforementioned work was kept secret. Now it is publicly available for anyone to see on our website.

With our technology, we don't want to build just one blockchain, but allow everyone to create their own and connect it to all the other ones. What is particularly interesting is that each blockchain-creator can decide in which geography (e.g., in which country) miners (which use Internet bandwidth to produce blocks) can be located. This allows for local blockchains serving local economies and societies. Furthermore, the owners of the coins in such a local blockchain can, in case the consensus starts to centralise (e.g., through the centralisation of mining), change that geography to some other one, stopping the centralisation in its tracks. It is the first system in which the sources of decentralisation (essentially the geographically differentiated parts of the Internet) have to compete for their users - addressing the problem of centralisation at a fundamental level.

# What's the future of blockchain technology?

Let's use some predictions related to Bitcoin to see the potential of the whole industry. We want to challenge the dominance of big, established cryptocurrencies.



According to 54% of experts surveyed by personal-finance site Finder\*, Bitcoin will be the dominant force in global finance by 2050 - surpassing the dollar.



50% of experts in Finder's survey predicted that Bitcoin's dominance as a global financial force will occur in 2040 or earlier.

**US\$4,287,591**

Predicted price of Bitcoin by December 2030, according to Finder's survey.

\* <https://www.finder.com/uk/bitcoin-btc-price-prediction>



# About Us

The Intercon technology was envisioned by Mr Alessandro Toumi after more than 3 years of research. This technology can become the backbone of a network of blockchains that could scale to millions of them - essentially creating **a new, decentralised internet.**

Don't hesitate to contact us.

## Contact

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